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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Allan J. MacRae Group Art Unit: unknown
Reissue of U.S. Patent No. 6,280,681 Examiner: unknown
Serial No.: 10/660,323 Our Ref.: B-5220RE 621205-3
Filed: August 27, 2003 Date of this paper:
For: "CAST-IN PIPE AND COOLING BLOCK" February 6, 2004



MAIL STOP MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

COMPLETION OF FILING REQUIREMENTS

Responsive to office letter dated 10/08/2003 (copy attached).

DECLARATION OR OATH

[X] Please find enclosed a Reissue Application Declaration/Power signed by the inventor.

ASSIGNEE'S STATEMENT UNDER 37 CFR 3.73(b)

[X] Please find enclosed a Reissue Application Statement of Non-Assignment signed by the inventor.

AMENDMENT OF CLAIMS

- [] Please cancel claims _____ inclusive
[] Please find enclosed an amendment deleting multiple dependencies

NOTE: The filing fees, fees for and surcharge fees listed below are reduced by 50% where proof of a small entity status is established on or before the date the fee is paid. If the full fee is paid but a verified statement is filed within two months of the date of payment of the first fee then the excess fee paid will be refunded on request. Notice of January 20, 1983. 1027 TMOG 114.

FEES

[X] Filing fee (37 CFR 1.16(a) - 770.00)	\$ 385.00
(small entity - 385.00)	
[] Fees for claims	
[] Independent claim in excess of 3	
(37 CFR 1.16(b) - 86.00)	
(small entity - 43.00)	0
[] Claims in excess of 20	
(37 CFR 1.16(c) - 18.00)	
(small entity - 9.00)	0

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

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Suzanne Johnston
(Typed or printed name of person mailing paper)

Date: February 6, 2004

[Signature]
(Signature of person mailing paper)

☐ Multiple dependent claim(s)
(37 CFR 1.16(d) - 280.00)
(small entity - 140.00)

☒ Surcharge fees

☒ Late payment of filing fee
(37 CFR 1.16(e) - 130.00)
(small entity - 65.00)

AND

☒ Late filing of declaration or oath
(37 CFR 1.16(e) - 130.00) \$65.00
(small entity - 65.00)

☐ Petition fee for filing by person not
the inventor (37 CFR 1.17(h) \$120.00)

☐ Recording assignment
(37 CFR 1.21(h)(i) 40.00)

☐ Attached is an assignment to

Total fees: \$450.00

SMALL ENTITY STATUS

☒ A verified statement that this filing is by a small entity is

☒ Attached ☐ Already filed on _____
W/cover sheet

PAYMENT OF FEES

☒ Enclosed is a check in the amount of \$450.00.

☐ Charge Account No. 12-0415 in the amount of _____.
A duplicate of this request is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose
the fees are paid. 37 CFR 1.22(b).

AUTHORIZATION TO CHARGE ADDITIONAL FEES

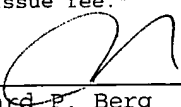
☒ The Commissioner is hereby authorized to charge the following
additional fees which may be required or credit any overpayment to
Account No. 12-0415.

☒ 37 CFR 1.16 (filing fees and presentation of extra claims)

☒ 37 CFR 1.17 (application processing fees)

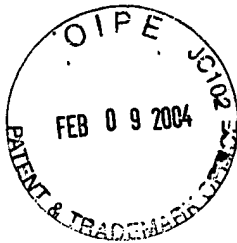
☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of
Allowance, pursuant to 37 CFR 1.311(b)).

NOTE: 37 CFR 1.28(b) requires "Notification of any change in status resulting in
loss of entitlement to small entity status must be filed in the
application... prior to paying... issue fee."



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PTO/SB/51 (07-03)

Approved for use through 01/31/2004, OMB 0651-0033

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

B-5220RE 621205-3

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,280,681 B1, granted August 28, 2001 and for which a reissue patent is sought on the invention entitled "CAST-IN PIPE AND COOLING BLOCK" (as amended)

the specification of which

☐ is attached hereto.

☒ was filed on August 27, 2003 as reissue application number 10/651,010
and was amended on August 27, 2003
(If applicable)

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.68.

☐ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☒ by reason of a defective specification or drawing.☐ by reason of the patentee claiming more or less than he had the right to claim in the patent.☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

The specification has been amended to recite pipe made from an alloy of at least 60% wt copper, and cooling block cast in an alloy of at least 50% wt copper, as recited in originally filed claims 1 and 2.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)

B-5220RE 621205-3

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

Note: To appoint a power of attorney, use form PTO/SB/81.

Correspondence Address: Direct all communications about the application to:

☒ Customer Number: 36716

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	Zip	
Country			
Telephone	Fax		
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name)			
Allan J. MacRae			
Inventor's signature	Date		
<i>Allan MacRae</i>	January 27, 2004		
Residence	Citizenship		
1000 Silver Maple Lane, Hayward, CA	CANADA		
Mailing Address			
1000 Silver Maple Lane, Hayward, CA 94544-6681			
Full name of second joint inventor (given name, family name)			
n/a			
Inventor's signature	Date		
Residence	Citizenship		
Mailing Address			
Full name of third joint inventor (given name, family name)			
n/a			
Inventor's signature	Date		
Residence	Citizenship		
Mailing Address			
<input type="checkbox"/> Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTO/SB/02A or 02LR attached hereto.			



PTO/SB/53 (05-05)
 Approved for use through 01/31/2004. OMB 0851-0033
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT		Docket Number (Optional) B-5220RE 621205-3
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Allan J. MacRae		
Patent Number 6,280,681 B1	Date Patent Issued August 28, 2001	
Title of Invention "FURNACE-WALL COOLING BLOCK"		
<p>1. <input type="checkbox"/> Filed herein is a statement under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input checked="" type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee(s) owning an undivided interest in said original patent is/are _____ and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned) Allan J. MacRae		
Signature 	Date January 13, 2004	
Typed or printed name and title of person signing for assignee (if assigned)		

This collection of information is required by 37 CFR 1.172. The information is required to obtain or retain a benefit by the public which it is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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